

# Microsoft Azure Administrator

**Course ID :** AZ-104T00-A

## Overview :

This course teaches IT Professionals how to manage their Azure subscriptions, secure identities, administer the infrastructure, configure virtual networking, connect Azure and on-premises sites, manage network traffic, implement storage solutions, create and scale virtual machines, implement web apps and containers, back up and share data, and monitor your solution.

## Objectives :

- Manage Azure identities and governance
- Implement and manage storage
- Deploy and manage Azure compute resources
- Configure and manage virtual networking
- Monitor and back up Azure resources

## Audience(s) :

- IT professionals who want to become Azure administrators

## Level :

- Advanced

## Course Duration :

- 4 days

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## Delivery Mode :

- Virtual & Classroom Training

## Location:

- Tunisia / Bahrain

## Lanuage:

- English / French

## Exam :

- AZ-104

## Certification :

- N/A



## Course Outline :

### Module 1: Identity

- Azure Active Directory
- Users and Groups
- Lab : Manage Azure Active Directory Identities

### Module 2: Governance and Compliance

- Subscriptions and Accounts
- Azure Policy
- Role-based Access Control RBAC
- Lab : Manage Subscriptions and RBAC
- Lab : Manage Governance via Azure Policy

### Module 3: Azure Administration

- Azure Resource Manager
- Azure Portal and Cloud Shell
- Azure PowerShell and CLI
- ARM Templates
- Lab : Manage Azure resources by using the Azure Portal
- Lab : Manage Azure resources by using ARM Templates

### Module 4: Virtual Networking

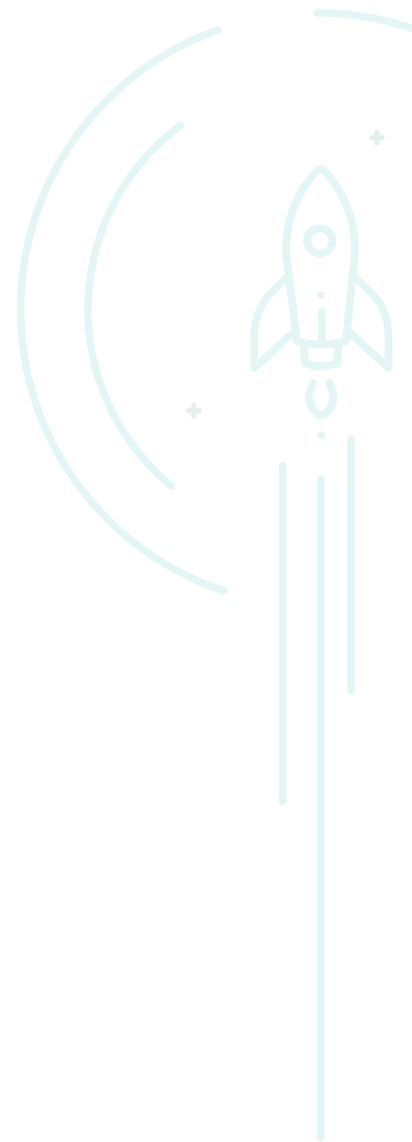
- Virtual Networks
- IP Addressing
- Network Security groups
- Azure Firewall
- Azure DNS
- Lab : Implement Virtual Networking

### Module 5: Intersite Connectivity

- VNet Peering
- VPN Gateway Connections
- ExpressRoute and Virtual WAN
- Lab : Implement Intersite Connectivity

### Module 6: Network Traffic Management

- Network Routing and Endpoints
- Azure Load Balancer
- Azure Application Gateway
- Lab : Implement Traffic Management



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## Module 7: Azure Storage

- Storage Accounts
- Blob Storage
- Storage Security
- Azure Files and File Sync
- Managing Storage

Lab : Manage Azure storage

## Module 8: Azure Virtual Machines

- Virtual Machine Planning
- Creating Virtual Machines
- Virtual Machine Availability
- Virtual Machine Extensions

Lab : Manage virtual machines

## Module 9: Serverless Computing

- Azure App Service Plans
- Azure App Service
- Container Services
- Azure Kubernetes Service

Lab : Implement Web Apps

Lab : Implement Azure Container Instances

Lab : Implement Azure Kubernetes Service

## Module 10: Data Protection

- File and Folder Backups
- Virtual Machine Backups

Lab : Implement Data Protection

## Module 11: Monitoring

- Azure Monitor
- Azure Alerts
- Log Analytics
- Network Watcher

Lab : Implement Monitoring

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